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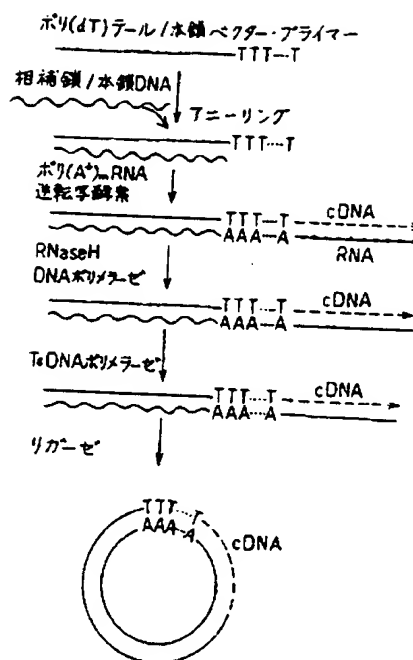
APPLICATION DATE : 13-03-89
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TITLE : SYNTHESIS OF CDNA AND KIT
THEREFOR



ABSTRACT : PURPOSE: To form a cDNA library by annealing a vector primer which contains poly(dT) tail at 3' end and is partially duplex with a reverse transcriptase, treating with a modifying enzyme and subjecting ring formation with ligase.

CONSTITUTION: A single stranded vector primer to which poly(dT) tail is added at 3' end is annealed with a complementary chain DNA not in the poly(dT) tail range to give a partially duplex vector primer, poly(A⁺)_mRNA is annealed and cDNA is synthesized with a reverse transcriptase. RNA part is converted into DNA by RNaseH, DNA polymerase I, end of duplex DNA is made into blunt end by T₄DNA polymerase and ring formation is carried out by a ligase and the resulting substance is transformed into Escherichia coli.

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